

Updated S 10/769,583



USPTO

[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

Search: ☒ The ACM Digital Library ☐ The Guide

(detect or track) and (failure or error or problem or fault or malfunction or defect) and (failover or fail over or fail over and location)

Terms used  
**detect** or **track** and **failure** or **error** or **problem** or **fault** or **malfunction** or **defect** and **failover** or **fail over** or **fail over** and **location**

Sort results by   
Display results

☒ [Save results to a Binder](#)  
☒ [Search Tips](#)  
☐ [Open results in a new window](#)

Results 1 - 20 of 200  
Best 200 shown  
Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

- 1** [Fast detection of communication patterns in distributed executions](#)  
Thomas Kunz, Michiel F. H. Seuren  
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborat**  
**Publisher:** IBM Press  
Full text available: [pdf\(4.21 MB\)](#)  
Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)  
Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. Help the user with the desired overview of the application. In our experience, such tools display repeated occurrences of r
- 2** [Special section: Reasoning about structure, behavior and function](#)  
 B. Chandrasekaran, Rob Milne  
July 1985 **ACM SIGART Bulletin**, Issue 93  
**Publisher:** ACM Press  
Full text available: [pdf\(5.13 MB\)](#)  
Additional Information: [full citation](#), [abstract](#), [references](#)  
The last several years' of work in the area of knowledge-based systems has resulted in a deeper understanding of the technology also about their limitations and the need for research both in a broader framework as well as in new directions. T
- 3** [Frontmatter \(TOC, Letters, Philosophy of computer science, Interviewers needed, Taking software requirements engineering into product lines: from business to systems and technology, Software engineering survey\)](#)  
 September 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 5  
**Publisher:** ACM Press  
Full text available: [pdf\(1.98 MB\)](#)  
Additional Information: [full citation](#), [index terms](#)
- 4** [Frontmatter \(TOC, Letters, Election results, Software Reliability Resources!, Computing Curricula 2004 and Research, ICSE 2005 Forward\)](#)  
 July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 4  
**Publisher:** ACM Press  
Full text available: [pdf\(6.19 MB\)](#)  
Additional Information: [full citation](#), [index terms](#)
- 5** [Distributed systems - programming and management: On remote procedure call](#)



[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

Search: ☒ The ACM Digital Library ☐ The Guide



Terms used  
**detect or track and failure or error or problem or fault or malfunction or defect and failover or fail over or fail over and location**

Sort results by

Display results

- ☒ [Save results to a Binder](#)
- ☒ [Search Tips](#)
- ☐ [Open results in a new window](#)

Results 181 - 200 of 200  
Best 200 shown

Result page: [previous](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#)

181

[Devirtualizable virtual machines enabling general, single-node, online maintenance](#)  
David E. Lowell, Yasushi Saito, Eileen J. Samberg  
October 2004  
**ACM SIGARCH Computer Architecture News , ACM SIGOPS Operating Systems Review**  
**conference on Architectural support for programming languages and operating systems**  
Publisher: ACM Press  
Full text available: pdf(174.01 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Maintenance is the dominant source of downtime at high availability sites. Unfortunately, the dominant mechanisms and their shortcomings that have prevented its broad acceptance. First, cluster-style maintenance over many nodes is typically often impractical. Second, cluster-style maintenance does not work on single-node systems, despite the fact that it is often impractical.

**Keywords:** availability, online maintenance, planned downtime, virtual machines

182

[The costs and limits of availability for replicated services](#)  
Haifeng Yu, Amin Vahdat  
February 2006  
**ACM Transactions on Computer Systems (TOCS)**, Volume 24 Issue 1  
Publisher: ACM Press  
Full text available: pdf(718.65 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)

As raw system performance continues to improve at exponential rates, the utility of many services is increasing. Improving availability involves replicating the service across multiple, wide-area sites. However, replication introduces overhead. Thus, this article explores the benefits of dynamically trading consistency for availability using a *continuous consistency* approach.

**Keywords:** Availability, continuous consistency, network services, replication, trade-off, upper bound

183

[VigilNet: An integrated sensor network system for energy-efficient surveillance](#)  
Tian He, Sudha Krishnamurthy, Liqian Luo, Ting Yan, Lin Gu, Radu Stoleru, Gang Zhou, Qing Cao, Pascal Vicaire, Jie Cao  
February 2006  
**ACM Transactions on Sensor Networks (TOSN)**, Volume 2 Issue 1  
Publisher: ACM Press  
Full text available: pdf(2.55 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)

This article describes one of the major efforts in the sensor network community to build an integrated sensor network system to acquire and verify information about enemy capabilities and positions of hostile targets. Such missions often involve a high degree of stealthiness. Hence, the ability to deploy unmanned surveillance missions, by using wireless sensor networks, is of great importance.

10/769,583  
Updated Search -



Welcome United States Patent and Trademark Office

- ☐ Search Session History
- BROWSE
- SEARCH
- IEEE XPLORE GUIDE
- SUPPORT

Wed, 13 Dec 2006, 1:02:26 PM EST

Edit an existing query or compose a new query in the Search Query Display.

Search Query Display



Select a search number (#) to:

- Add a query to the Search Query Display
- Combine search queries using AND, OR, or NOT
- Delete a search
- Run a search

Recent Search Queries

|     |  | Results |
|-----|--|---------|
| #1  | (( detect failure<in>metadata ) <and> ( information exchange<in>metadata ) )<and> ( time or timestamp<in>metadata )  | 0       |
| #2  | (( communication path<in>metadata ) <and> ( point or failure<in>metadata ) )<and> ( fail-over<in>metadata )  | 0       |
| #3  | (( communication path<in>metadata ) <and> ( point or failure<in>metadata ) )<and> ( fail-over<in>metadata )  | 0       |
| #4  | (( information exchange<in>metadata ) <and> ( detect failure<in>metadata ) )<and> ( timestamp<in>metadata )  | 0       |
| #5  | (( retrieve<in>metadata ) <and> ( exchange status<in>metadata ) )<and> ( failure occurred<in>metadata )  | 0       |
| #6  | (( book-keeping or timestamp<in>metadata ) <and> ( failure or error or problem or malfunction or fault<in>metadata ) )<and> ( communication path<in>metadata ) | 0       |
| #7  | (( recover<in>metadata ) <and> ( failover or fail-over or (fail over)<in>metadata ) )<and> ( (sequential storage) or (tape drives)<in>metadata )               | 0       |
| #8  | (( detect <in>metadata ) <and> ( failover or fail-over<in>metadata ) )<and> ( timestamp or book-keeping<in>metadata )  | 0       |
| #9  | (( detect <in>metadata ) <and> ( failover or fail-over<in>metadata ) )<and> ( timestamp or book-keeping<in>metadata )  | 0       |
| #10 | (( fai-over or failover<in>metadata ) <and> ( detect<in>metadata ) )<and> ( communication path<in>metadata )   | 0       |
| #11 | (( recover<in>metadata ) <and> ( multi-path<in>metadata ) )<and> ( fail-over or failover<in>metadata )   | 0       |

